

Converting Colors

`RYB(135, 185, 239)`

Have a look what the booklet for
RYB(135, 185, 239) contains.

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Color

R_YB(135, 185, 239)

Conversions

Conversions Part 1

Format	Color
Hex	87E7EF
RGB	135, 231, 239
RGB Percent	53%, 91%, 94%
CMY	0.4706, 0.0930, 0.0627
CMYK	0.44, 0.03, 0.00, 0.06
HSL	184°, 76%, 73%
HSV	184°, 44%, 94%
XYZ	54.2306, 68.7007, 92.0637
YIQ	203.2080, -59.7840, -17.8640

Conversions

Conversions Part 2

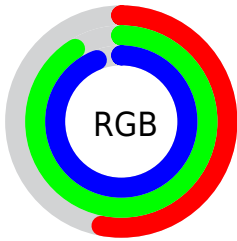
Format	Color
RYB	135, 185, 239
Decimal	8906735
CIELab	86.36, -26.48, -12.65
CIELCh	86, 29.348, 205.524
Yxy	68.7007, 0.2522, 0.3195
Android (android.graphics.Color)	4287096815 (0xFF87E7EF)
YUV	203.2080, 17.6455, -59.8184
Hunter-Lab	82.8859, -28.2614, -7.8349

Details

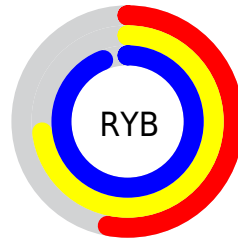
The RYB color **135, 185, 239** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **239, 144, 135**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **193, 224, 255**, and **76, 127, 183** is the 20% darker color. If you saturate the color by 10%, you get **111, 173, 239**, and if you desaturate by 10%, it is **159, 197, 239**.

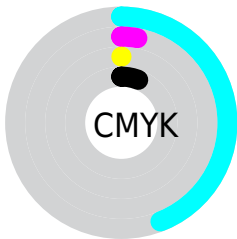
Distribution



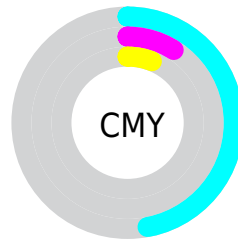
- Red (53%)
- Green (91%)
- Blue (94%)



- Red (53%)
- Yellow (73%)
- Blue (94%)



- Cyan (44%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (47%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 135, 185, 239 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 135, 185, 239 by changing the saturation by 10% instead.

 135, 185, 239


255, 255, 255


 193, 224, 255

 223, 239, 255

253, 254, 255

 135, 185, 239


 106, 156, 211

 76, 127, 183


 43, 98, 156

 0, 63, 130

 0, 50, 105

 0, 38, 81

 0, 27, 58

 0, 17, 36

 0, 1, 15

■ 135, 185, 239

■ 135, 185, 239

■ 111, 173, 239

■ 159, 197, 239

■ 87, 160, 239

■ 183, 210, 239

■ 63, 148, 239

■ 207, 222, 239

■ 39, 135, 239

■ 231, 235, 239

■ 16, 123, 239

■ 254, 240, 239

■ 0, 115, 239

■ 255, 243, 239

■ 255, 246, 239

■ 255, 249, 239

■ 255, 255, 239

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



151, 198, 232



135, 185, 239



145, 192, 255

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



135, 185, 239



248, 201, 248



204, 241, 161

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



135, 185, 239



239, 144, 135

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 225, 171



135, 185, 239



255, 196, 221

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



135, 185, 239



215, 210, 255



255, 197, 193



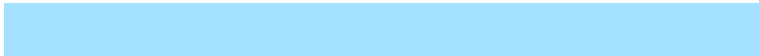
165, 222, 176

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



135, 185, 239



164, 200, 255



255, 197, 193



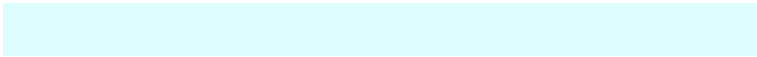
234, 249, 163

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



135, 185, 239



222, 238, 255



135, 232, 239



107, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

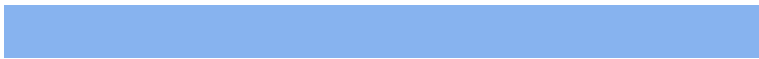
The Same Dimension uses a secret algorithm to generate beautiful new colors.



135, 185, 239



122, 186, 255



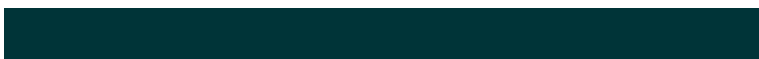
135, 166, 239



108, 114, 120



0, 88, 184



0, 27, 56

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



239, 135, 231



255, 122, 245



214, 239, 135



120, 108, 119



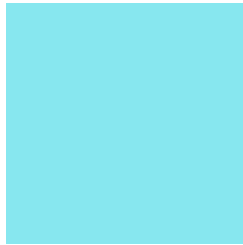
184, 0, 170



56, 0, 52

Previews

White Background



This preview shows how the RYB color 135, 185, 239 looks on a white background.

Color Contrast Check

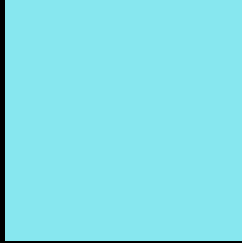
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 135, 185, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 135, 185, 239 Background



This preview shows how black text looks on a background with the RYB color 135, 185, 239.

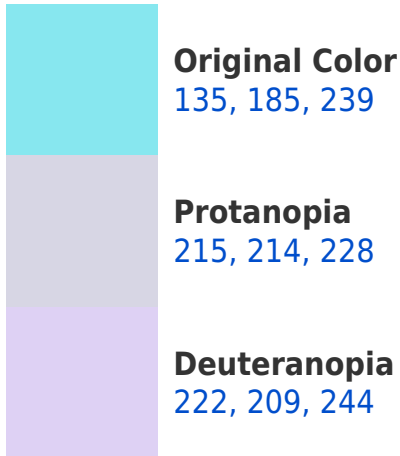


This preview shows how white text looks on a background with the RYB color 135, 185, 239.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





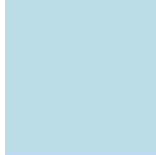
Tritanopia
138, 188, 248

Trichromacy



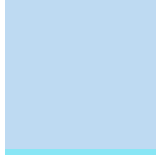
Original Color

135, 185, 239



Protanomaly

186, 206, 232



Deuteranomaly

190, 208, 242



Tritanomaly

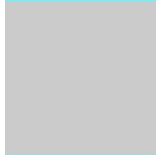
137, 187, 245

Monochromacy



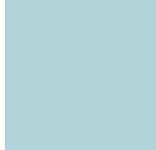
Original Color

135, 185, 239



Achromatopsia

203, 203, 203



Achromatomaly

178, 196, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 135, 185, 239 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(135, 231, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 231, 239) }
```

Border

The CSS property to change the border of an element to RYB 135, 185, 239 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 231, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 231, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 231, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(135, 231,  
239) }
```

Background

The CSS property to change the background color of an element to RYB 135, 185, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 231, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
231, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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